

- [2] **EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**
- [3] **EC-Type Examination Certificate Number:** PRESAFE 14 ATEX 5381X **Issue 1**
- [4] **Equipment or Protective System:** Excite
Explosion Proof Sounder & Loud speaker– BH
125/150.
- [5] **Applicant – Manufacturer or Authorized representative:** Bartec Technor AS
- [6] **Address:** Post Box 658, Dusavikv. 39, 4007 Stavanger, Norway
- [7] **This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.**
- [8] **DNV Nemko Presafe AS, notified body number 2460 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.**
The examination and test results are recorded in confidential reports listed in section 14.
- [9] **Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**
EN 60079-0:2012 (IEC 60079-0:2011) , EN 60079-1:2007 (IEC 60079-1:2007) and
EN 60079-31:2009 (IEC 60079-31:2008)
- [10] **If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.**
- [11] **This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.**
- [12] **The marking of the equipment or protective system shall include the following:**



II 2 G

Ex d IIC T4~T6 Gb

Ex tb IIIC T135°C~T85°C IP66

Date of issue: 2015-03-09

Asle Kaastad
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE No.:** PRESAFE 14 ATEX 5381X Issue 1

Certificate History

Issue	Description	Report no.	Issue date
0	Original issue	D0001565	2014-12-17
1	Marking plate updated with word 'Excite' under Type	D0001565	2015-03-09

[15] Description of Equipment or Protective System

There are two different materials of the enclosure of the product, BH-125 (stainless steel), BH-150 (GRP). The product is made up of; Main body, back-cover and front-cover, connected together by a spigot (flameproof joint). Furthermore the product has a sounder driver which is screwed into the front cover by an Ex thread. A sintered disc is press fitted into a slot of this and kept in place by a press fitted ring. In addition a horn arrangement is attached to the front cover to distribute the sound coming out of the sound driver. There can be four optional sizes of cable entries (M20/M25 or 1/2NPT, 3/4NPT).

Type Identification

Type BH-125/150-1 with an build in amplifier PCB, function as an alarm sounder.

Type BH-125/150-2 with or without a build in audio transformer, function as loudspeaker.

Type BH-125/150-3 with build in audio transformer and amplifier PCB, function as sounder/
Loudspeaker.

Electrical Data

BH-125/150-1...Alarm Sounder, Voltage ≤ 48 VDC, 100~240V AC(50/60Hz), ≤ 20 W

BH-125/150-2...Loudspeaker, Voltage ≤ 115 VAC, ≤ 50 W

BH-125/150-3...Alarm Sounder & Loudspeaker:

Alarm sounder Voltage ≤ 48 VDC, 100~240V AC(50/60Hz), ≤ 20 W,

Loud Speaker Voltage ≤ 115 VAC, ≤ 50 W

Degrees of protection (IP Code): IP 66

Ambient temperature

Product	Ambient temperature	Marking
BH 125 / 150	Tamb=-40°C~+70°C	Ex d IIC T4 Gb. Ex tb IIIC T135°C IP66.
	Tamb=-40°C~+60°C	Ex d IIC T5 Gb. Ex tb IIIC T100°C IP66.
	Tamb=-40°C~+55°C	Ex d IIC T6 Gb. Ex tb IIIC T85°C IP66.

[16] Project No.: PRJC-512998-2014-PRC-NOR

Descriptive Documents

Number	Title	Rev.	Date	Sheets
55050100000	General Drawing SD 125	1.01	13.03.05	2
55050100001	Dispense Drawing SD 125	1.01	13.03.05	2
55050100002	Part List SD 125	1.01	13.03.05	1
55050110102	Back Cover BC 125	1.01	13.03.05	1
55050110101	Main box SD 125	1.01	13.03.05	1
55050110103	Front cover SD 125	1.01	13.03.05	1
55050100620	Sounder Driver SD 125	1.01	13.03.05	1
55050200000	General Drawing SD 150	1.01	13.03.05	2
55050200001	Dispense Drawing SD 150	1.01	13.03.05	2
55050200002	Part List SD 150	1.01	13.03.05	1
55050250101	Main body SD 150	1.01	13.03.05	1
55060250101	Main box SD 150	1.01	13.03.05	1
55050250104	Front cover SD 150	1.01	13.03.05	1
55050250102	Back Cover BC 150	1.01	13.03.05	1
50050100620	Sounder Driver SD 150	1.01	13.03.05	1
55060250401	Alternative lid screw for 150 series	1.01	13.08.25	1
55060250402	Alternative lid screw for 150 series	1.01	13.08.25	1
BSA-09-5	NAMPLATE Alarm Beacon/ Loudspeaker BH 125/ 150 Ex d	A	14.10.21	1
BSA-10-5	List of types for Lights and sounders	A	14.12.03	1

Routine Test

A routine pressure test according to EN 60079-1 clause 16 shall be carried out on all enclosures with the following pressures

BH 125 1.2MPa

BH 150 1.3Mpa

[17] Special Conditions for Safe Use

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN/IEC 60079-1.

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE